

M-53/2110

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T Total No. of sheet used : 01 Total No. of Questions: 09
Subject : System Analysis and Design
Class : BCA 5th Semester
Paper : BCA-312
Title of Paper : System Analysis and Design
Time Allowed : 3 Hours
Maximum Marks: 75 MinPass Marks: 35%

Note: Candidates are required to attempt five questions in all selecting at least two questions each from sections A and B. Section C is compulsory.

SECTION A

- Q1. Differentiate the following
- a) Interaction and interdependence 7.5
 - b) Physical and abstract system 7.5
- Q2. Explain in detail the activities performed in each phase of systems development life cycle. 15
- Q3. Discuss the following in detail
- a) Duties of System Analyst 7.5
 - b) Initial investigation 7.5
- Q4. What do you mean by information gathering? Discuss various ways for gathering information in detail. 15

SECTION B

- Q5. What do you mean by Data Flow Diagram (DFD)? How it is different from a flow chart? Discuss various symbols required to draw a DFD. Explain with suitable example. 15
- Q6. What do you mean by data base? What is data base design? Discuss in detail.
- Q7. a) What factors must be considered prior to hardware and software selection? 7.5
b) "System testing is key to successful system development" Elaborate. 7.5
- Q8. What do you mean by changeover? Discuss various types of changeover schemes in detail. 15

SECTION C

- Q9. a) Define a system? What are its characteristics? 03
b) Differentiate between deterministic and non-deterministic system. 03
c) What do you mean by technical feasibility? 03
d) What is meta data? 03
e) What is corrective maintenance? 03